(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 September 2005 (29.09.2005)

PCT

(10) International Publication Number WO 2005/089389 A2

(51) International Patent Classification: Not classified

(21) International Application Number:

PCT/US2005/008777

(22) International Filing Date: 16 March 2005 (16.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/553,692

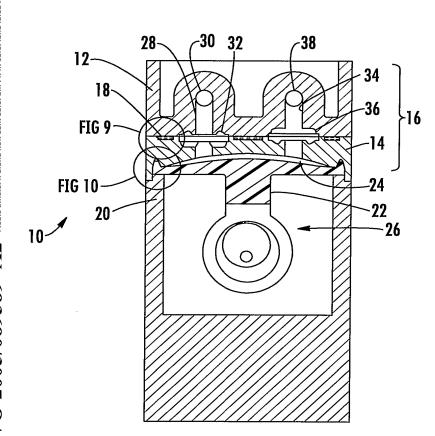
16 March 2004 (16.03.2004) U

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: PUMP SEALING APPARATUS



(57) Abstract: A sealing arrangement for a pump includes a first member having a peripheral wedge-shaped pocket; a second member with a rim opposed to the pocket; and a diaphragm disposed between the two members. The diaphragm includes a central stem, a disk-shaped head attached to the stem, and an upstanding bead disposed around the periphery of the head. The bead includes a first angled surface and a second angled surface. The bead is received in the pocket so as to form two separate, spaced-apart sealing surfaces between the diaphragm and the first member. The sealing arrangement may also include a gasket made from a resilient material and having a flat web with a circular crosssection bead disposed in a gland between two members. The dimensions of the bead and the gland are selected such that the bead is diametrically compressed at least about 40% from its free state.

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SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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